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February 28, 2017

VIA ELECTRONIC FILING

The Honorable Jocelyn G. Boyd
Chief Clerk/Administrator
Public Service Commission of South Carolina
101 Executive Center Drive, Suite 100
Columbia, South Carolina 29210

Re: **Duke Energy Progress, LLC – Monthly Fuel Report**
Docket No. 2006-176-E

Dear Mrs. Boyd:

Pursuant to the Commission's Orders in Docket No. 1977-354-E, enclosed for filing is Duke Energy Progress, LLC's Monthly Fuel Report in Docket No. 2006-176-E for the month of January 2017.

Should you have any questions regarding this matter, please do not hesitate to contact me at 803-988-7130.

Sincerely,

Rebecca J. Dulin

Enclosure

cc: Ms. Dawn Hipp, Office of Regulatory Staff
Mr. Jeffrey M. Nelson, Office of Regulatory Staff
Ms. Shannon Bowyer Hudson, Office of Regulatory Staff
Ms. Nanette Edwards, Office of Regulatory Staff
Michael Seaman-Huynh, Office of Regulatory Staff
Ms. Heather Shirley Smith, Duke Energy
Mr. Scott Elliott, Elliott & Elliott, P.A.
Mr. Garrett Stone, Brickfield, Burchette, Ritts & Stone, PC
Mr. Gary Walsh, Walsh Consulting, LLC

Duke Energy Progress
Summary of Monthly Fuel Report

Schedule 1

Line No.	Item	January 2017
1	Fuel and Fuel-related Costs excluding DERP incremental costs	$ 128,035,931
	MWH sales:	6,014,594
2	Total System Sales	382,182
3	Less intersystem sales	
		5,632,412
4	Total sales less intersystem sales	
5	Total fuel and fuel-related costs (¢/KWH) (Line 1/Line 4)	2.2732
6	Current fuel & fuel-related cost component (¢/KWH) (per Schedule 4)	2.3573
	Generation Mix (MWH):	
	Fossil (By Primary Fuel Type):	
7	Coal	674,914
8	Oil	27,752
9	Natural Gas - Combustion Turbine	71,119
10	Natural Gas - Combined Cycle	1,847,843
11	Total Fossil	2,621,628
12	Nuclear	2,703,806
13	Hydro - Conventional	41,504
14	Solar Distributed Generation	14,809
15	Total MWH generation	5,381,747

Note: Detail amounts may not add to totals shown due to rounding.

Schedule 2

Duke Energy Progress
Details of Fuel and Fuel-Related Costs

Description		January 2017
Fuel and Fuel-Related Costs:		
Steam Generation - Account 501		
0501110 coal consumed - steam		22,455,175
0501310 fuel oil consumed - steam		1,131,370
Total Steam Generation - Account 501		23,586,545
Nuclear Generation - Account 518		
0518100 burnup of owned fuel		18,095,981
0518600 - Disposal Cost		-
Total Nuclear Generation - Account 518		18,095,981
Other Generation - Account 547		
0547000 natural gas consumed - Combustion Turbine		3,387,737
0547000 natural gas consumed - Combined Cycle		61,914,446
0547200 fuel oil consumed		5,876,558
Total Other Generation - Account 547		71,178,741
Purchased Power and Net Interchange - Account 555		
Fuel and fuel-related component of purchased power		22,105,555
PURPA purchased power capacity		2,239,918
Total Purchased Power and Net Interchange - Account 555		24,345,473
Less fuel and fuel-related costs recovered through intersystem sales - Account 447		10,229,871
Total Costs Included in Base Fuel Component	$	126,976,869
Environmental Costs		
0509030, 0509212, 0557451 emission allowance expense	$	2,887
0502020, 0502030, 0502040, 0502080, 0502090, 0548020 reagents expense		1,163,865
Emission Allowance Gains		-
Less reagents expense recovered through intersystem sales - Account 447		86,579
Less emissions expense recovered through intersystem sales - Account 447		21,111
Total Costs Included in Environmental Component		1,059,062
Fuel and Fuel-related Costs excluding DERP incremental costs	$	128,035,931
DERP Incremental Costs		171,461
Total Fuel and Fuel-related Costs	$	128,207,392

Notes: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
PURCHASED POWER AND INTERCHANGE
SOUTH CAROLINA

JANUARY 2017

Purchased Power	Total	Capacity	Non-capacity		
Marketers, Utilities, Other	$	$	mWh	Fuel $	Non-fuel $
Broad River Energy, LLC.	$ 4,199,169	$ 2,271,867	32,841	$ 1,927,302	-
City of Fayetteville	1,641,243	1,070,850	2,898	570,393	-
Haywood EMC	29,850	29,850	-	-	-
NCEMC	4,746,146	4,040,822	7,334	705,324	-
PJM Interconnection, LLC.	86,672	-	2,224	86,672	-
Smurfit Stone Container Corp	21,099	-	553	21,099	-
Southern Company Services	5,330,134	1,654,380	105,690	3,675,754	-
DE Carolinas - Native Load Transfer	3,872,900	-	109,098	3,861,063	$ 11,837
DE Carolinas - Native Load Transfer Benefit	231,882	-	-	231,882	-
Generation Imbalance	9,675		310	5,902	3,773
	$ 20,168,770	**$ 9,067,769**	**260,948**	**$ 11,085,391**	**$ 15,610**
Act 236 PURPA Purchases					
Renewable Energy	11,138,476	-	163,454	11,138,476	-
Other Qualifying Facilities	2,121,606	-	30,566	2,121,606	-
	$ 13,260,082	**$ -**	**194,020**	**$ 13,260,082**	**$ -**
Total Purchased Power	**$ 33,428,852**	**$ 9,067,769**	**454,968**	**$ 24,345,473**	**$ 15,610**

NOTE: Detail amounts may not add to totals shown due to rounding.

DUKE ENERGY PROGRESS
INTERSYSTEM SALES*
SOUTH CAROLINA

JANUARY 2017

	Total	Capacity	Non-capacity		
Sales	$	$	mWh	Fuel $	Non-fuel $
Market Based:					
NCEMC Purchase Power Agreement	$ 936,991	652,500	6,896	$ 281,378	$ 3,113
PJM Interconnection, LLC.	86,592	-	1,835	66,670	19,922
Other:					
DE Carolinas - Native Load Transfer Benefit	584,048	-	-	584,048	-
DE Carolinas - Native Load Transfer	9,502,087	-	373,410	9,405,307	96,780
Generation Imbalance	165	-	41	157	8
Total Intersystem Sales	**$ 11,109,883**	**$ 652,500**	**382,182**	**$ 10,337,560**	**$ 119,823**

* Sales for resale other than native load priority.

NOTE: Detail amounts may not add to totals shown due to rounding.

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
January 2017

Line No.			Total Residential	General Service Non-Demand	Demand	Lighting	Total
1	Actual System kWh sales	Input					5,632,411,700
2	DERP Net Metered kWh generation	Input					33,663
3	Adjusted System kWh sales	L1 + L2					5,632,445,363
4	Actual S.C. Retail kWh sales	Input	222,103,825	25,342,645	357,415,095	7,290,402	612,151,967
5	DERP Net Metered kWh generation	Input	28,515	5,148	-		33,663
6	Adjusted S.C. Retail kWh sales	L4 + L5	222,132,340	25,347,793	357,415,095	7,290,402	612,185,630
7	Actual S.C. Demand units (kw)	L32 / 31b *100			692,733		
	Base fuel component of recovery - non-capacity						
8	Incurred System base fuel - non-capacity expense	Input					$124,736,951
9	Eliminate avoided fuel benefit of S.C. net metering	Input					$1,108
10	Adjusted Incurred System base fuel - non-capacity expense	L8 + L9					$124,738,058
11	Adjusted Incurred System base fuel - non-capacity rate (¢/kWh)	L10 / L3 * 100					2.215
12	S.C. Retail portion of adjusted incurred system expense	L6 * L11 / 100	$4,919,419	$561,361	$7,915,437	$161,456	$13,557,673
13	Assign 100 % of Avoided Fuel Benefit of S.C net metering	Input	($594)	($60)	($454)	$0	($1,108)
14	S.C. Retail portion of incurred system expense	L12 + L13	$4,918,825	$561,301	$7,914,983	$161,456	$13,556,565
15	Billed base fuel - non-capacity rate (¢/kWh) - Note 1	Input	2.230	2.229	2.229	2.229	2.229
16	Billed base fuel - non-capacity revenue	L4 * L15 /100	$4,952,677	$564,888	$7,966,782	$162,503	$13,646,850
17	DERP NEM incentive - fuel component	Input	($141)	($14)	($108)	$0	($263)
18	Adjusted S.C. billed base fuel - non-capacity revenue	L16 + L17	$4,952,536	$564,873	$7,966,675	$162,503	$13,646,587
19	S.C. base fuel - non-capacity over/(under) recovery	L18 - L14	$33,711	$3,572	$51,692	$1,047	$90,022
20	Adjustment	Input	$0	$0	$0	$0	$0
21	Total S.C. base fuel - non-capacity over/(under) recovery	L19 + L20	$33,711	$3,572	$51,692	$1,047	$90,022
	Base fuel component of recovery - capacity						
22a	Incurred base fuel - capacity rates by class (¢/kWh)	L23 / L4 * 100	0.059	0.052			
22b	Incurred base fuel - capacity rate (¢/kW)	L23 / L7 * 100			14		
23	Incurred S.C. base fuel - capacity expense	Input	$130,469	$13,163	$99,811		$243,443
24a	Billed base fuel - capacity rates by class (¢/kWh)	Input	0.181	0.128			
24b	Billed base fuel - capacity rate (¢/kW)	Input			30		
25	Billed S.C. base fuel - capacity revenue	L24a * L4 /100	$401,330	$32,439	$ 207,818	$0	$641,587
26	S.C. base fuel - capacity over/(under) recovery	L25 - L23	$270,861	$19,276	$108,007	$0	$398,144
27	Adjustment	Input	$0	$0	$0	$0	$0
28	Total S.C. base fuel - capacity over/(under) recovery	L26 + L27	$270,861	$19,276	$108,007	$0	$398,144
	Environmental component of recovery						
29a	Incurred environmental rates by class (¢/kWh)	L30 / L4 * 100	0.028	0.025			
29b	Incurred environmental rate (¢/kW)	L30 / L7 * 100			7		
30	Incurred S.C. environmental expense	Input	$61,687	$6,223	$47,192		$115,102
31a	Billed environmental rates by class (¢/kWh)	Input	0.042	0.031			
31b	Billed environmental rate (¢/kW)	Input			6		
32	Billed S.C. environmental revenue	L31a * L4 /100	$92,615	$7,856	$ 41,564		$142,035
33	S.C. environmental over/(under) recovery	L32 - L30	$30,928	$1,633	$ (5,628)	$0	$26,933
34	Adjustment	Input	$0	$0	$0	$0	$0
35	Total S.C. environmental over/(under) recovery	L33 + L34	$30,928	$1,633	($5,628)	$0	$26,933
36	Total over / (under) recovery	L21 + L28 + L35	$335,500	$24,481	$154,071	$1,047	$515,099

Duke Energy Progress
Over / (Under) Recovery of Fuel Costs
January 2017

Year 2016-2017

	Cumulative over / (under) recovery	Cumulative	Total Residential	General Service Non-Demand	Demand	Lighting	Subtotal	Prior Period Adjustments	Total
	Balance ending February 2016	(8,178,450)							
	March 2016 - actual	(5,113,937)	$1,257,169	$149,823	$1,614,366	$43,155	$3,064,513	$0	$3,064,513
_/2	April 2016 - actual	(2,862,055)	$579,097	$91,208	$1,546,143	$35,434	$2,251,882	$0	$2,251,882
	May 2016 - actual	(2,055,487)	$166,326	$33,470	$597,607	$9,165	$806,568	$0	$806,568
_/2	June 2016 - actual	(1,637,768)	$134,334	$21,348	$171,533	$18,077	$345,292	$72,427	$417,719
	July 2016 - actual	(4,666,718)	($1,099,935)	($153,840)	($1,737,737)	($37,438)	($3,028,950)	$0	($3,028,950)
	August 2016 - actual	(6,588,776)	($647,989)	($90,105)	($1,162,202)	($21,762)	($1,922,058)	$0	($1,922,058)
	September 2016 - actual	(6,774,119)	($78,301)	($4,082)	($101,162)	($1,798)	($185,343)	$0	($185,343)
	October 2016 - actual	(7,344,031)	($175,489)	($21,964)	($362,824)	($9,635)	($569,912)	$0	($569,912)
	November 2016 - actual	(7,418,007)	$25,549	$877	($94,569)	($5,833)	($73,976)	$0	($73,976)
_/2	December 2016 - actual	(8,833,804)	($486,437)	($69,145)	($834,208)	($26,007)	($1,415,797)	$0	($1,415,797)
	January 2017 - actual	(8,318,705)	$335,500	$24,481	$154,071	$1,047	$515,099	$0	$515,099
_/3	February 2017 - forecast	(8,200,378)	$125,504	($3,574)	($4,891)	$1,288	$118,327	$0	$118,327
_/3	March 2017 - forecast	(9,758,732)	($531,676)	($66,272)	($936,870)	($23,536)	($1,558,354)	$0	($1,558,354)
_/3	April 2017 - forecast	(9,870,276)	($72,639)	($5,669)	($32,736)	($500)	($111,544)	$0	($111,544)
_/3	May 2017 - forecast	(9,949,403)	($74,333)	($1,815)	($2,970)	($9)	($79,127)	$0	($79,127)
_/3	June 2017 - forecast	(10,981,519)	($365,194)	($46,752)	($604,790)	($15,380)	($1,032,116)	$0	($1,032,116)

Line No.			Residential	Commercial	Industrial	Total
Distributed Energy Resource Program component of recovery: incremental costs						
37	Incurred S.C. DERP incremental expense	Input	$91,892	$47,160	$32,409	$171,461
38	Billed S.C. DERP incremental rates by account ($/account)	Input	0.35	0.70	62.56	
39	Billed S.C. DERP incremental revenue	Input	$48,189	$22,520	$16,416	$87,125
40	S.C. DERP incremental over/(under) recovery	L39 - L37	($43,703)	($24,640)	($15,993)	($84,336)
41	Adjustment	Input	$0	$0	$0	$0
42	Total S.C. DERP incremental over/(under) recovery	L40 + L41	($43,703)	($24,640)	($15,993)	($84,336)

Year 2016-2017

	Cumulative over / (under) recovery	Cumulative	Residential	Commercial	Industrial	Subtotal	Prior Period Adjustments	Total
	Balance ending February 2016	(409,036)						
	March 2016 - actual	(332,983)	$47,587	$24,676	$3,790	$76,053	$0	$76,053
_/2	April 2016 - actual	(239,880)	$57,498	$29,093	$6,512	$93,103	$0	$93,103
	May 2016 - actual	(230,645)	$8,264	$7,454	($6,483)	$9,235	$0	$9,235
	June 2016 - actual	(363,127)	($75,641)	($29,326)	($27,515)	($132,482)	$0	($132,482)
	July 2016 - actual	(227,737)	$76,605	$35,021	$23,764	$135,390	$0	$135,390
	August 2016 - actual	(230,217)	($5,161)	($836)	$3,517	($2,480)	$0	($2,480)
	September 2016 - actual	(236,229)	($6,705)	($1,534)	$2,227	($6,012)	$0	($6,012)
	October 2016 - actual	(239,973)	($5,679)	($1,069)	$3,004	($3,744)	$0	($3,744)
	November 2016 - actual	(248,310)	($7,741)	($2,004)	$1,408	($8,337)	$0	($8,337)
	December 2016 - actual	(252,038)	($4,938)	($759)	$1,969	($3,728)	$0	($3,728)
	January 2017 - actual	(336,374)	($43,703)	($24,640)	($15,993)	($84,336)	$0	($84,336)
_/3	February 2017 - forecast	(370,209)	($22,437)	($9,984)	($1,414)	($33,835)	$0	($33,835)
_/3	March 2017 - forecast	(396,562)	($17,927)	($8,064)	($362)	($26,353)	$0	($26,353)
_/3	April 2017 - forecast	(435,178)	($25,149)	($11,266)	($2,201)	($38,616)	$0	($38,616)
_/3	May 2017 - forecast	(483,287)	($30,728)	($13,695)	($3,686)	($48,109)	$0	($48,109)
_/3	June 2017 - forecast	(543,671)	($37,938)	($16,871)	($5,575)	($60,384)	$0	($60,384)

Notes:
Detail amounts may not recalculate due to percentages presented as rounded.
_/1 Total residential billed fuel rate is a composite rate reflecting the approved residential rate of 2.246 and RECD 5% discount.
_/2 Includes prior period adjustments.
_/3 Forecast amounts based on low end of range of expected fuel rates.

Duke Energy Progress
Fuel and Fuel Related Cost Report
January 2017

Description	Weatherspoon CT	Lee CC	Sutton CC/CT	Robinson Nuclear	Asheville Steam	Asheville CT	Roxboro Steam	Mayo Steam
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	$4,461,818	-	$15,480,314	$10,039,254
Oil	-	-	-	(1,266)	880,550	-	604,195	372,985
Gas - CC	-	21,083,296	15,462,017	-	-	-	-	-
Gas - CT	47	-	-	-	-	110,281	-	-
Total	$47	$21,083,296	$15,462,017	($1,266)	$5,342,368	$110,281	$16,084,509	$10,412,239
Average Cost of Fuel Purchased (¢/MBTU)								
Coal	-	-	-	-	306.79	-	307.28	300.31
Oil	-	-	-	-	1,229.20	-	1,233.18	1,278.18
Gas - CC	-	480.29	536.79	-	-	-	-	-
Gas - CT	-	-	-	-	-	1,869.26	-	-
Weighted Average	-	480.29	536.79	-	350.09	1,869.17	316.20	308.77
Cost of Fuel Burned ($)								
Coal	-	-	-	-	$3,835,566	-	$14,198,836	$4,420,772
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	2,439	-	9,961	-	39,585	1,018,934	655,745	436,040
Gas - CC	-	21,083,296	15,462,017	-	-	-	-	-
Gas - CT	47	-	-	-	-	110,281	-	-
Nuclear	-	-	-	3,899,506	-	-	-	-
Total	$2,486	$21,083,296	$15,471,978	$3,899,506	$3,875,152	$1,129,214	$14,854,581	$4,856,812
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	232.10	-	324.92	314.90
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	1,507.45	-	2,021.61	-	1,365.79	1,365.79	1,184.30	1,233.40
Gas - CC	-	480.29	536.79	-	-	-	-	-
Gas - CT	-	-	-	-	-	1,869.26	-	-
Nuclear	-	-	-	65.96	-	-	-	-
Weighted Average	1,536.54	480.29	537.05	65.96	234.09	1,402.69	335.67	337.46
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	2.71	-	3.44	3.66
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	-	-	-	-	15.98	17.41	12.82	14.32
Gas - CC	-	3.43	3.76	-	-	-	-	-
Gas - CT	-	-	-	-	-	24.57	-	-
Nuclear	-	-	-	0.66	-	-	-	-
Weighted Average	-	3.43	3.76	0.66	2.74	17.92	3.56	3.92
Burned MBTU's								
Coal	-	-	-	-	1,652,522	-	4,369,955	1,403,887
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	162	-	493	-	2,898	74,604	55,370	35,353
Gas - CC	-	4,389,722	2,880,434	-	-	-	-	-
Gas - CT	-	-	-	-	-	5,900	-	-
Nuclear	-	-	-	5,911,873	-	-	-	-
Total	162	4,389,722	2,880,926.75	5,911,873	1,655,420	80,503.62	4,425,325	1,439,240
Net Generation (mWh)								
Coal	-	-	-	-	141,388	-	412,594	120,932
Oil - CC	-	-	-	-	-	-	-	-
Oil - Steam/CT	(87)	-	(51)	-	248	5,854	5,117	3,045
Gas - CC	-	613,781	411,405	-	-	-	-	-
Gas - CT	-	-	-	-	-	449	-	-
Nuclear	-	-	-	591,130	-	-	-	-
Hydro (Total System)								
Solar (Total System)								
Total	(87)	613,781	411,354	591,130	141,636	6,303	417,711	123,977
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	-	-	$146,933	$21,446
Limestone	-	-	-	-	159,349	-	383,051	141,438
Re-emission Chemical	-	-	-	-	-	-	-	-
Sorbents	-	-	-	-	19,988	-	100,119	54,795
Urea	-	-	-	-	112,270	-	-	-
Total	-	-	-	-	291,607	-	630,103	217,679

Notes:

Detail amounts may not add to totals shown due to rounding.

Schedule excludes in-transit, terminal and tolling agreement activity.

Cents/MBTU and cents/kWh are not computed when costs and/or net generation is negative.

Fuel cost information on this report does not reflect intercompany sharing of fuel-related merger savings between Duke Energy Carolinas and Duke Energy Progress.

Lee and Wayne oil burn is associated with inventory consumption shown on Schedule 6 for Wayne.

Duke Energy Progress
Fuel and Fuel Related Cost Report
January 2017

Description	Brunswick Nuclear	Blewett CT	Wayne County CT	Darlington CT	Smith Energy Complex CC/CT	Harris Nuclear	Current Month	Total 12 ME January 2017
Cost of Fuel Purchased ($)								
Coal	-	-	-	-	-	-	$29,981,386	$374,111,510
Oil	(2,746)	-	622,620	2,140,308	-	37,743	4,654,389	16,882,709
Gas - CC	-	-	-	-	25,369,133	-	61,914,446	531,547,584
Gas - CT	-	-	525,324	78,199	2,673,886	-	3,387,737	145,447,344
Total	(2,746)	-	$1,147,944	$2,218,507	$28,043,019	37,743	$99,937,958	$1,067,989,147
Average Cost of Fuel Purchased (¢/MBTU								
Coal	-	-	-	-	-	-	304.84	315.63
Oil	-	-	1,223.32	1,222.50	-	1,808.48	1,231.74	1,124.76
Gas - CC	-	-	-	-	440.25	-	475.07	400.40
Gas - CT	-	-	426.86	435.04	440.30	-	449.17	344.84
Weighted Average	-	-	659.87	1,149.18	440.26	1,808.48	416.41	362.08
Cost of Fuel Burned ($)								
Coal	-	-	-	-	-	-	$22,455,175	$375,529,072
Oil - CC	-	-	-	-	139.48	-	139	334,914
Oil - Steam/CT	-	13,885	2,056,239	2,771,096	3,864	-	7,007,789	18,402,987
Gas - CC	-	-	-	-	25,369,133	-	61,914,446	531,547,584
Gas - CT	-	-	525,324	78,199	2,673,886	-	3,387,737	145,447,344
Nuclear	9,394,461	-	-	-	-	4,802,014	18,095,981	196,945,129
Total	$9,394,461	$13,885	$2,581,564	$2,849,295	$28,047,022	$4,802,014	$112,861,267	$1,268,207,031
Average Cost of Fuel Burned (¢/MBTU)								
Coal	-	-	-	-	-	-	302.37	320.32
Oil - CC	-	-	-	-	1,660.48	-	1,660.48	1,838.86
Oil - Steam/CT	-	1,667.48	1,782.13	1,709.80	1,660.50	-	1,566.35	1,363.73
Gas - CC	-	-	-	-	440.25	-	475.07	400.40
Gas - CT	-	-	426.86	435.04	440.30	-	449.17	344.84
Nuclear	64.19	-	-	-	-	65.45	64.90	63.85
Weighted Average	64.19	1,667.48	1,082.65	1,582.54	440.30	65.45	227.80	210.68
Average Cost of Generation (¢/kWh)								
Coal	-	-	-	-	-	-	3.33	3.38
Oil - CC	-	-	-	-	13.95	-	13.95	40.77
Oil - Steam/CT	-	-	85.78	24.71	19.71	-	25.25	19.36
Gas - CC	-	-	-	-	3.08	-	3.35	2.84
Gas - CT	-	-	2.99	8.41	5.13	-	4.76	3.88
Nuclear	0.68	-	-	-	-	0.67	0.67	0.67
Weighted Average	0.68	-	12.93	23.46	3.21	0.67	2.10	1.99
Burned MBTU's								
Coal	-	-	-	-	-	-	7,426,364	117,234,323
Oil - CC	-	-	-	-	8	-	8	18,213
Oil - Steam/CT	-	833	115,381	162,071	233	-	447,397	1,349,457
Gas - CC	-	-	-	-	5,762,436	-	13,032,592	132,753,669
Gas - CT	-	-	123,068	17,975	607,284	-	754,227	42,177,666
Nuclear	14,634,971	-	-	-	-	7,336,881	27,883,725	308,438,971
Total	14,634,971	833	238,449	180,046	6,369,961	7,336,881	49,544,313	601,972,299
Net Generation (mWh)								
Coal	-	-	-	-	-	-	674,914	11,111,216
Oil - CC	-	-	-	-	1	-	1	821
Oil - Steam/CT	-	(6)	2,397	11,215	20	-	27,751	95,046
Gas - CC	-	-	-	-	822,657	-	1,847,843	18,723,481
Gas - CT	-	-	17,572	930	52,167	-	71,119	3,750,780
Nuclear	1,391,630	-	-	-	-	721,046	2,703,806	29,369,107
Hydro (Total System)							41,504	448,201
Solar (Total System)							14,809	173,529
Total	1,391,630	(6)	19,969	12,145	874,845	721,046	5,381,747	63,672,181
Cost of Reagents Consumed ($)								
Ammonia	-	-	-	-	$24,476	-	$192,855	$3,105,762
Limestone	-	-	-	-	-	-	683,838	10,492,811
Re-emission Chemical	-	-	-	-	-	-	-	117,168
Sorbents	-	-	-	-	-	-	174,903	3,785,619
Urea	-	-	-	-	-	-	112,270	1,021,842
Total	-	-	-	-	24,476	-	1,163,865	18,523,201

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
January 2017

Description	Weatherspoon	Lee	Sutton	Robinson	Asheville
Coal Data:					
Beginning balance	-	-	-	-	101,129
Tons received during period	-	-	-	-	58,254
Inventory adjustments	-	-	-	-	-
Tons burned during period	-	-	-	-	66,361
Ending balance	-	-	-	-	93,022
MBTUs per ton burned	-	-	-	-	24.90
Cost of ending inventory ($/ton)	-	-	-	-	57.80
Oil Data:					
Beginning balance	681,663	-	3,169,305	78,040	3,114,783
Gallons received during period	-	-	-	-	519,099
Miscellaneous use and adjustments	(73)	-	-	-	(5,181)
Gallons burned during period	1,156	-	3,575	-	563,735
Ending balance	680,434	-	3,165,730	78,040	3,064,966
Cost of ending inventory ($/gal)	2.11	-	2.80	2.80	1.88
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	4,220,359	2,801,553	-	5,527
MCF burned during period	-	4,220,359	2,801,553	-	5,527
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	-	11,811
Tons received during period	-	-	-	-	3,398
Inventory adjustments	-	-	-	-	-
Tons consumed during period	-	-	-	-	3,475
Ending balance	-	-	-	-	11,734
Cost of ending inventory ($/ton)	-	-	-	-	44.27

Notes:
Detail amounts may not add to totals shown due to rounding.
Schedule excludes in-transit, terminal and tolling agreement activity.
Gas is burned as received; therefore, inventory balances are not maintained.
The oil inventory data for Wayne reflects the common usage of the oil tank used for both Wayne and Lee units.

Description	Roxboro	Mayo	Brunswick	Blewett	Wayne County
Coal Data:					
Beginning balance	1,181,887	457,075	-	-	-
Tons received during period	203,465	130,038	-	-	-
Inventory adjustments	-	-	-	-	-
Tons burned during period	173,490	54,879	-	-	-
Ending balance	1,211,862	532,234	-	-	-
MBTUs per ton burned	25.19	25.58	-	-	-
Cost of ending inventory ($/ton)	81.82	80.55	-	-	-
Oil Data:					
Beginning balance	448,983	265,339	169,267	806,838	11,691,254
Gallons received during period	355,034	211,460	-	-	368,814
Miscellaneous use and adjustments	(7,530)	(4,183)	-	-	-
Gallons burned during period	403,588	256,598	-	5,926	837,569
Ending balance	392,899	216,018	169,267	800,912	11,222,499
Cost of ending inventory ($/gal)	1.62	1.70	2.80	2.34	2.55
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	-	-	-	-	117,913
MCF burned during period	-	-	-	-	117,913
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	95,947	24,615	-	-	-
Tons received during period	6,918	96	-	-	-
Inventory adjustments	-	-	-	-	-
Tons consumed during period	10,076	3,755	-	-	-
Ending balance	92,789	20,956	-	-	-
Cost of ending inventory ($/ton)	35.27	35.22	-	-	-

Duke Energy Progress
Fuel & Fuel-related Consumption and Inventory Report
January 2017

Description	Darlington	Smith Energy Complex	Harris	Current Month	Total 12 ME January 2017
Coal Data:					
Beginning balance	-	-	-	1,740,091	1,781,270
Tons received during period	-	-	-	391,757	4,684,285
Inventory adjustments	-	-	-	-	36,131
Tons burned during period	-	-	-	294,730	4,664,568
Ending balance	-	-	-	1,837,118	1,837,118
MBTUs per ton burned	-	-	-	25.20	25.13
Cost of ending inventory ($/ton)	-	-	-	80.24	80.24
Oil Data:					
Beginning balance	9,998,097	8,143,529	282,376	38,849,474	37,749,631
Gallons received during period	1,268,667	-	15,123	2,738,197	10,876,825
Miscellaneous use and adjustments	-	-	-	(16,967)	(284,541)
Gallons burned during period	1,174,428	1,722	-	3,248,297	10,019,508
Ending balance	10,092,336	8,141,807	297,499	38,322,407	38,322,407
Cost of ending inventory ($/gal)	2.36	2.32	2.80	2.40	2.40
Gas Data:					
Beginning balance	-	-	-	-	-
MCF received during period	17,451	6,206,177	-	13,368,980	169,276,337
MCF burned during period	17,451	6,206,177	-	13,368,980	169,276,337
Ending balance	-	-	-	-	-
Limestone/Lime Data:					
Beginning balance	-	-	-	132,373	153,602
Tons received during period	-	-	-	10,412	278,963
Inventory adjustments	-	-	-	-	(10,250)
Tons consumed during period	-	-	-	17,306	296,836
Ending balance	-	-	-	125,479	125,479
Cost of ending inventory ($/ton)	-	-	-	36.10	36.10

Schedule 7

DUKE ENERGY PROGRESS

ANALYSIS OF COAL PURCHASED

JANUARY 2017

STATION	TYPE	QUANTITY OF TONS DELIVERED	DELIVERED COST	DELIVERED COST PER TON
ASHEVILLE	SPOT	1,143	$ 92,399	80.84
	CONTRACT	57,111	4,348,053	76.13
	ADJUSTMENTS	-	21,366	-
	TOTAL	58,254	4,461,818	76.59
MAYO	SPOT	-	-	-
	CONTRACT	130,038	9,822,177	75.53
	ADJUSTMENTS	-	217,077	-
	TOTAL	130,038	10,039,254	77.20
ROXBORO	SPOT	71,570	5,207,822	72.77
	CONTRACT	131,896	9,997,918	75.80
	ADJUSTMENTS	-	274,575	-
	TOTAL	203,465	15,480,314	76.08
ALL PLANTS	SPOT	72,713	5,300,220	72.89
	CONTRACT	319,044	24,168,148	75.75
	ADJUSTMENTS	-	513,018	-
	TOTAL	391,757	$ 29,981,386	$ 76.53

Schedule 8

DUKE ENERGY PROGRESS

ANALYSIS OF COAL QUALITY RECEIVED

JANUARY 2017

STATION	PERCENT MOISTURE	PERCENT ASH	HEAT VALUE	PERCENT SULFUR
ASHEVILLE	6.28	10.47	12,483	1.82
MAYO	6.73	7.75	12,854	2.38
ROXBORO	6.86	10.28	12,380	1.31

Schedule 9

DUKE ENERGY PROGRESS

ANALYSIS OF OIL PURCHASED

JANUARY 2017

	ASHEVILLE	DARLINGTON	HARRIS
VENDOR	Indigo	Indigo and Petroleum Traders	Selma Tank Farm
SPOT/CONTRACT	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	519,099	1,268,667	15,123
TOTAL DELIVERED COST	$ 880,550	$ 2,140,308	$ 37,743
DELIVERED COST/GALLON	$ 1.70	$ 1.69	$ 2.50
BTU/GALLON	138,000	138,000	138,000

	MAYO	ROXBORO	WAYNE
VENDOR	Charlotte Tank Farm and Greensboro Tank Farm	Charlotte Tank Farm and Greensboro Tank Farm	Indigo
SPOT/CONTRACT	Contract	Contract	Contract
SULFUR CONTENT %	0	0	0
GALLONS RECEIVED	211,460	355,034	368,814
TOTAL DELIVERED COST	$ 372,985	$ 604,195	$ 622,620
DELIVERED COST/GALLON	$ 1.76	$ 1.70	$ 1.69
BTU/GALLON	138,000	138,000	138,000

Note:

Price adjustments of $(2,746) and $(1,266) for the Brunswick and Robinson stations, respectively, are excluded.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2016 - January, 2017
Nuclear Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Brunswick 1	7,359,611	938	89.32	88.74
Brunswick 2	8,052,286	932	98.36	99.25
Harris 1	7,517,975	928	92.23	90.26
Robinson 2	6,439,235	741	98.93	96.52

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2016 through January, 2017
Combined Cycle Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Lee Energy Complex	1A	1,280,114	196	74.31	85.67
Lee Energy Complex	1B	1,310,752	195	76.48	90.50
Lee Energy Complex	1C	1,308,760	197	75.53	89.71
Lee Energy Complex	ST1	2,453,081	378	73.80	82.30
Lee Energy Complex	Block Total	6,352,707	967	74.80	86.06
Richmond County CC	7	983,720	172	65.09	73.53
Richmond County CC	8	975,188	170	65.19	73.37
Richmond County CC	ST4	1,117,582	169	75.22	73.20
Richmond County CC	9	1,376,651	193	81.22	88.96
Richmond County CC	10	1,389,047	193	81.96	88.88
Richmond County CC	ST5	1,823,146	249	83.52	87.35
Richmond County CC	Block Total	7,665,334	1,146	76.15	81.90
Sutton Energy Complex	1A	1,441,972	198	82.87	95.75
Sutton Energy Complex	1B	1,470,484	198	84.50	97.02
Sutton Energy Complex	ST1	1,793,805	265	76.99	95.72
Sutton Energy Complex	Block Total	4,706,261	662	81.00	95.98

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2016 through January, 2017

Intermediate Steam Units

Unit Name	Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Equivalent Availability (%)
Mayo 1	1,948,500	735	30.18	87.97
Roxboro 2	2,646,889	672	44.85	89.22
Roxboro 3	2,297,454	694	37.69	92.48
Roxboro 4	1,968,887	703	31.87	93.18

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2016 through January, 2017
Other Cycling Steam Units

Unit Name		Net Generation (mWh)	Capacity Rating (mW)	Capacity Factor (%)	Operating Availability (%)
Asheville	1	716,272	190	42.86	81.33
Asheville	2	581,875	190	34.82	80.10
Roxboro	1	1,008,392	379	30.26	98.38

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2016 through January, 2017
Combustion Turbine Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Asheville CT	206,287	343	91.72
Blewett CT	-18	59	98.97
Darlington CT	117,376	808	90.46
Richmond County CT	2,890,117	837	90.16
Sutton CT	-501	67	91.98
Wayne County CT	575,221	903	91.44
Weatherspoon CT	291	143	97.26

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.

Duke Energy Progress
Power Plant Performance Data
Twelve Month Summary
February, 2016 through January, 2017
Hydroelectric Stations

Station Name	Net Generation (mWh)	Capacity Rating (mW)	Operating Availability (%)
Blewett	72,346	27.0	71.46
Marshall	7,662	4.0	42.03
Tillery	139,020	84.0	92.96
Walters	229,173	113.0	98.01

Notes:

- Effective January 2017, a change in capacity rating methodology could impact performance trending against historical results reported prior to January 2017.
- Units in commercial operation for the full month are presented. Pre-commercial or partial month commercial operations are not included.